

1 / 8

SEQUENCE LISTING

<110> The Kitasato Institute

<120> FELINE INFECTIOUS PERITONITIS VACCINE

<130> K4-A0201P

<140>

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<150> JP 2002-196290

<151> 2002-07-04

<160> 8

<170> PatentIn Ver. 2.1

<210> 1

<211> 1134

<212> DNA

<213> Feline infectious peritonitis virus

<400> 1

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<210> 2

<211> 377

<212> PRT

<213> Feline infectious peritonitis virus

<400> 2

Met Ala Thr Gln Gly Gln Arg Val Asn Trp Gly Asp Glu Pro Ser Lys

Arg Arg Asp Arg Ser Asn Ser Arg Gly Arg Lys Asn Asn Asn Ile Pro

20 25 30

Leu Ser Phe Phe Asn Pro Thr Thr Leu Glu Gln Gly Ala Lys Phe Trp

35 40 45

Tyr Val Cys Pro Arg Asp Phe Val Pro Lys Gly Ile Gly Asn Lys Asp

50 55 60

Gln Gln Ile Gly Tyr Trp Asn Arg Gln Ala Arg Phe Arg Ile Val Lys

65 70 75 80

Gly Gln Arg Lys Glu Leu Pro Glu Arg Trp Phe Phe Tyr Phe Leu Gly

85 90 95

Thr Gly Pro His Ala Asp Ala Lys Phe Lys Asp Lys Ile Asp Gly Val

100 105 110

Phe Trp Val Ala Lys Asp Gly Ala Met Asn Lys Pro Thr Ser Leu Gly

115 120 125

Thr Arg Gly Thr Asn Asn Glu Ser Glu Pro Leu Arg Phe Asp Gly Lys

130 135 140

Ile Pro Pro Gln Phe Gln Leu Glu Val Asn Arg Ser Arg Asn Asn Ser

145

150

155

160

Arg Ser Gly Ser Gln Ser Arg Ser Gly Ser Arg Asn Arg Ser Gln Ser

165

170

175

Arg Gly Arg Gln Gln Ser Asn Asn Gln Asn Thr Asn Val Glu Asp Thr

180

185

190

Ile Val Ala Val Leu Gln Lys Leu Gly Val Thr Asp Lys Gln Arg Ser

195

200

205

Arg Ser Lys Ser Arg Asp Arg Ser Asp Ser Lys Ser Arg Asp Thr Thr

210

215

220

Pro Lys Asn Ala Asn Lys His Thr Trp Lys Lys Thr Ala Gly Lys Gly

225

230

235

240

Asp Val Thr Asn Phe Phe Gly Ala Arg Ser Ala Ser Ala Asn Phe Gly

245

250

255

Asp Ser Asp Leu Val Ala Asn Gly Asn Ala Ala Lys Cys Tyr Pro Gln

260

265

270

Ile Ala Glu Cys Val Pro Ser Val Ser Ser Val Leu Phe Gly Ser Gln

275

280

285

Trp Ser Ala Glu Glu Ala Gly Asp Gln Val Lys Val Thr Leu Thr His

290

295

300

Thr Tyr Tyr Leu Pro Lys Gly Asp Ala Lys Thr Ser Gln Phe Leu Glu

305

310

315

320

Gln Ile Asp Ala Tyr Lys Arg Pro Ser Gln Val Ala Lys Glu Gln Arg

325

330

335

Lys Pro Lys Pro Arg Ser Lys Ser Ala Asp Lys Lys Pro Glu Glu Leu

340

345

350

Ser Val Thr Leu Val Glu Ala Tyr Thr Asp Val Phe Asp Asp Thr Gln

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Val Glu Met Ile Asp Glu Val Thr Asn

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375

<210> 3

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Artificially

Synthesized Sequence

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<210> 4

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Artificially

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<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Artificially
Synthesized Sequence

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<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Artificially
Synthesized Sequence

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<210> 7

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<212> DNA

<213> Artificial Sequence

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8 / 8

<223> Description of Artificial Sequence:Artificially
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<210> 8

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially

Synthesized Sequence

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ttggcattct taggtgttgt gtc

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